

# Shiri Avni | CV

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## Experience

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**Google** **Tel Aviv**  
*Software Engineer* *Summer 2020 - Present*

**Technion** **Haifa**  
*Research Assistant* *Spring 2017*

Developed an interactive log mining tool in Java to analyse the effectiveness of a research simulator for moving resources between distributed cloud systems based on cost and response time constraints.

**Cornell-Tech** **New York City, NY**  
*Intern* *Summer 2016*

Began the development of an iOS app for collecting data from Endometriosis patients.

## Education

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### Academic Qualifications.....

**Technion** **Haifa, Israel**  
*Participated in courses at the Department of Mathematics* *Fall 2019*

**Oxford University** **Oxford, UK**  
*MSc (Distinction) Computer Science* *2017 – 2018*

**Technion** **Haifa**  
*Double BSc (Cum Laude, 91) Physics and Computer Science* *2012 – 2016*

**Tsinghua University** **Beijing, China**  
*Semester abroad: enrolled in graduate physics courses* *Fall 2015*

### Notable Works.....

#### **Oxford MSc Thesis: 'Deep Facial Phenotyping for Rare Diseases'**

Researched the automation of the diagnosis of patients with a rare genetic disorder given a 2D facial photo. The research focused on training convolutional neural networks in the PyTorch framework, and the code base was developed in Python using OOP methodologies and unit tests.

### Awards.....

- **Full scholarship (2017-2018), Oxford:** Oxford-Weidenfeld and Hoffman Scholarship
- **Full scholarship (2013-2016), Technion:** Rothschild Scholars Technion Program for Excellence

## Technical Skills

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**Programming Languages:** Proficient: Python. Prior experience: Java, SQL, Bash, LaTeX

**Web Development:** Prior experience: HTML5, React, JavaScript (ES6), Bootstrap, CSS, Flask

#### **Technologies:**

- *Operating System & Tools:* Linux; Git, Anaconda, Heroku
- *Data Science Libraries:* PyTorch, NumPy, OpenCV, Scikit-Learn, Pandas

## Volunteering & National Service

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**Open Door Nonprofit** **Haifa**  
*Volunteer at Open Door, which provides sexual health education to young adults* *2019 - Present*

**Madatech, the Israel National Museum of Science** **Haifa**  
*Scientific Instructor (National Service)* *2012 - 2013*

## Languages

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**English:** Native      **Hebrew:** Fluent